

AMENDMENTS TO THE CLAIMS

Claims 1-12 (CANCELLED)

13. (New) A character/graphic display apparatus, comprising:

a display device for displaying a character or graphic; and

a control section for controlling the display device;

wherein:

the control section executes character/graphic display processing; and

the character/graphic display processing includes the steps of:

- (a) scaling a character or graphic including reference points along a specific axis so as to generate scaled reference points;
- (b) quantizing a sum of distances between the scaled reference points by a first method so as to generate a sum quantized by the first method;
- (c) quantizing the distances between the scaled reference points by a second method so as to generate distances quantized by the second method;
- (d) adjusting at least one of the distances quantized by the second method such that a sum of the distances quantized by the second method equals the sum quantized by the first method; and
- (e) displaying the scaled character or graphic based on the scaled reference points accompanying the at least one adjusted distance.

14. (New) A character/graphic display apparatus according to claim 13, wherein the quantization by the second method is performed in consideration of a distance flag representing a minimum necessary distance as a distance quantized by the second method.

15. (New) A character/graphic display apparatus according to claim 13, wherein step (d) is performed in consideration of a distance flag representing a minimum necessary distance as a distance quantized by the second method.

16. (New) A character/graphic display apparatus according to claim 13, wherein step (d) includes the step of adjusting a distance having a larger quantization error caused by the second method with priority, among the distances quantized by the second method.

17. (New) A character/graphic display apparatus according to claim 13, wherein step (d) includes the step of extending at least one of the distances quantized by the second method.

18. (New) A character/graphic display apparatus according to claim 13, wherein step (d) includes the step of shortening at least one of the distances quantized by the second method.

19. (New) A character/graphic display apparatus according to claim 13, wherein step (d) includes the step of making at least one of the distances quantized by the second method zero.

20. (New) A character/graphic display apparatus according to claim 13, wherein step (e) includes the step of displaying a first point which is a prescribed point on the scaled character, such that a value of distance a/distance b is closest to a value of distance A/distance B, where:

a second point which corresponds to the first point and is on the pre-scaling character is between a first reference point and a second reference point adjacent to each other, among the pre-scaling reference points;

distance A is a distance between the second point and the first reference point;

distance B is a distance between the second point and the second reference point;

distance a is between the first point and the scaled first reference point; and

distance b is between the first point and the scaled second reference point.

21. (New) A character/graphic display apparatus according to claim 13, wherein:

the character is formed of a plurality of blocks; and

the character/graphic display processing further includes the step of executing steps (b) through (d) for each of the plurality of blocks.

22. (New) A character/graphic display apparatus according to claim 19, wherein the step of making at least one of the distances quantized by the second method zero is performed in consideration of a flag which represents a position of a distance to be made zero in the order by which the at least one of the distances is made zero.

23. (New) A character/graphic display method, comprising the steps of:

scaling a character or graphic including reference points along a specific axis so as to generate scaled reference points;

quantizing a sum of distances between the scaled reference points by a first method so as to generate a sum quantized by the first method;

quantizing the distances between the scaled reference points by a second method so as to generate distances quantized by the second method;

adjusting at least one of the distances quantized by the second method such that a sum of the distances quantized by the second method equals the sum quantized by the first method; and

displaying the scaled character or graphic based on the scaled reference points accompanying the at least one adjusted distance.

24. (New) A program for having a character/graphic display apparatus, including a display device for displaying a character or graphic on a controlling section for controlling the display device, to execute character/graphic display processing, the character/graphic display processing includes the steps of:

scaling a character or graphic including reference points along a specific axis so as to generate scaled reference points;

quantizing a sum of distances between the scaled reference points by a first method so as to generate a sum quantized by the first method;

quantizing the distances between the scaled reference points by a second method so as to generate distances quantized by the second method;

adjusting at least one of the distances quantized by the second method such that a sum of the distances quantized by the second method equals the sum quantized by the first method; and
displaying the scaled character or graphic based on the scaled reference points accompanying the at least one adjusted distance.

25. (New) A recording medium readable by a character/graphic display apparatus, including a display device for displaying a character or graphic and a controlling section for controlling the display device, the recording medium has a program for having the control section to execute character/graphic display processing which includes the steps of:

scaling a character or graphic including reference points along a specific axis so as to generate scaled reference points;

quantizing a sum of distances between the scaled reference points by a first method so as to generate a sum quantized by the first method;

quantizing the distances between the scaled reference points by a second method so as to generate distances quantized by the second method;

adjusting at least one of the distances quantized by the second method such that a sum of the distances quantized by the second method equals the sum quantized by the first method; and

displaying the scaled character or graphic based on the scaled reference points accompanying the at least one adjusted distance.